

**ABSTRACT**

A system of communication between distant regions is provided that solves the problems inherent in the present state of similar systems. The redundancy of the ADMs at each terminating site is eliminated, replacing the more costly ADM with a standard switching device.

- 5 The switching devices are electrical, optical or wireless in nature, for example, a standard multiplexer or optical cross-connect switch. A second advantage is the elimination of the redundancy of connections between the terminating sites, as well as a reduction in cost and an increase in system-wide reliability.